

RuggedClient-SKL

TOUCH SCREEN, ANTI-SPRAY



19" INDUSTRIAL TOUCH PANEL PC WITH 6TH GEN INTEL® CORE™ / CELERON® S-SERIES PROCESSORS

- ▶ 2x DP, 1x DVI-D for secondary / tertiary display
- ▶ 2x GbE LAN for Ethernet
- ▶ 4x USB 3.0, 2x USB 2.0, 3x RS232/422/485, 3x RS232 for peripheral connection
- ▶ 1x 2.5" SATA 3.0 HDD / SSD for storage
- ▶ 1x mSATA / mPCIe, 1x mPCIe, 2x PCIe (optional) for expansion

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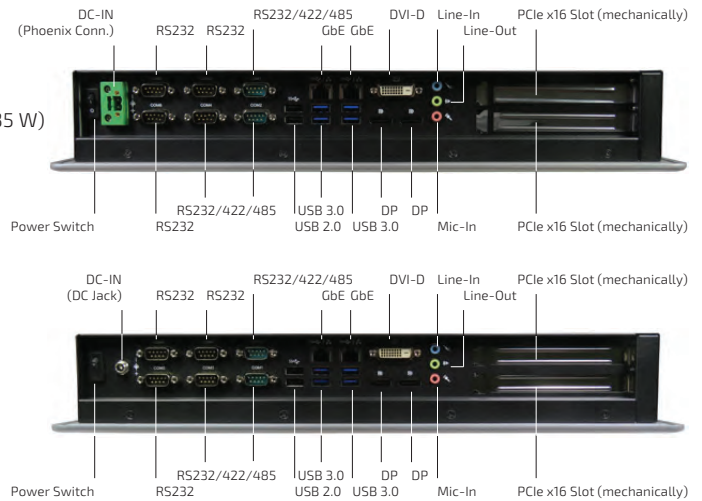
Powered by 6th Generation Intel® Core™ / Celeron® S-Series Processors, Kontron RuggedClient-SKL Panel PC has greatly improved graphics performance, power efficiency and wireless connectivity. In addition to 2x DP, 1x DVI-D, 4x USB 3.0, 2x USB 2.0, 6x RS232/422/485, 3x RS232 and 2x GbE LAN for display output, peripheral applications and wired networking, it has a variety of expansion slots /sockets for wireless, storage or other function

expansion, including PCIe (optional), mPCIe, mSATA and SATA 3.0 slots / sockets.

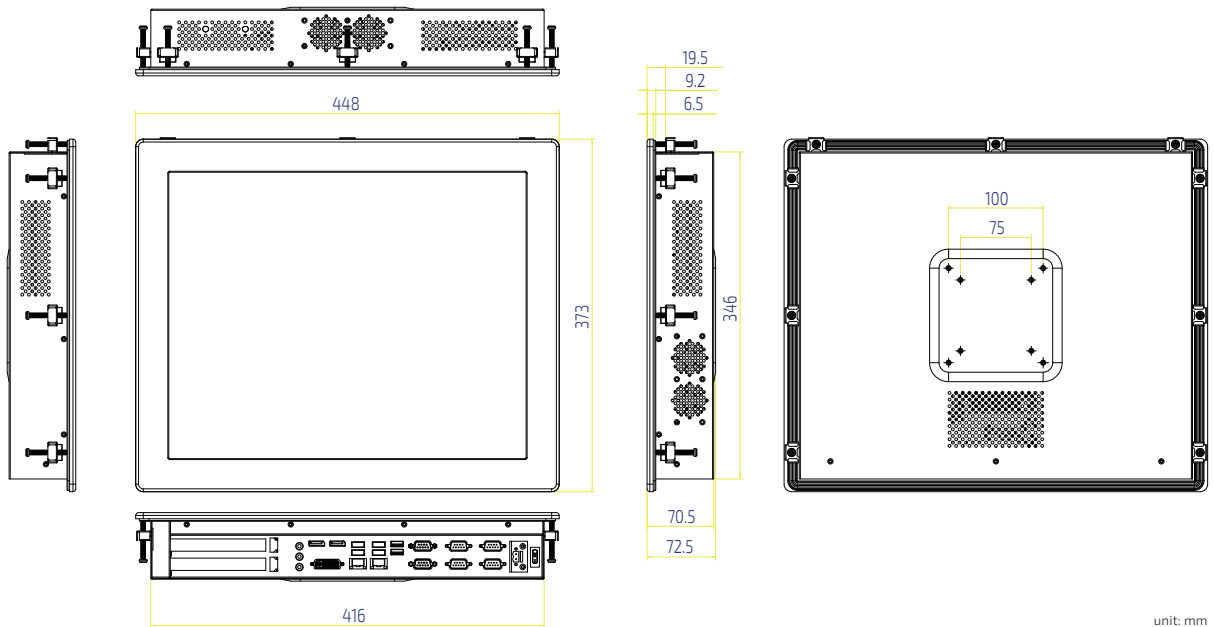
Finally, an IP65-rated aluminium front bezel that houses the LCD display can not only provide good resistance to water spray and makes it suitable for harsh environments.

▶ PRODUCT HIGHLIGHTS

- ▶ 19" 5-wire resistive single touch LCD display
- ▶ 6th Gen Intel® Core™ / Celeron® S-Series CPU (LGA1151 Socket, 35 W)
- ▶ Intel® Q170 Express Chipset
- ▶ 2x DDR4 SO-DIMM memory socket
- ▶ 2x DP, 1x DVI-D for secondary / tertiary display
- ▶ 2x GbE LAN for Ethernet
- ▶ 4x USB 3.0, 2x USB 2.0 for USB device connection
- ▶ 3x RS232/422/485, 3x RS232 for serial device connection
- ▶ 1x 2.5" SATA 3.0 HDD / SSD for storage
- ▶ 1x mSATA / mPCIe, 1x mPCIe for SSD and wireless expansion
- ▶ 2x PCIe x16 (optional) for application-specific expansion
- ▶ IP65 front design



▶ MECHANICAL DIMENSIONS



unit: mm

► TECHNICAL INFORMATION

SYSTEM	PROCESSOR CHIPSET MEMORY	6th Gen Intel® Core™ / Celeron® S-Series (FCLGA1151 Socket, up to 35 W TDP) Intel® Q170 2x DDR4 2133 SO-DIMM up to 32 GByte (Core™ CPU) 2x DDR4 1866 / 2133 SO-DIMM up to 32 GByte (Celeron® CPU)
VIDEO	GRAPHICS DISPLAY SOZE ASPECT RATIO BACKLIGHT RESOLUTION BRIGHTNESS (cd/m², typ.) CONTRAST RATIO (typ.) COLOR VIEWING ANGLE (L/R/H/L) TOUCH DISPLAY INTERFACE MULTIPLE DISPLAY	Intel® HD Graphics 530 (Core™ CPU) Intel® HD Graphics 510 (Celeron® CPU) 19 inch 5:4 LED 1280 x 1024 SXGA 250 1000:1 16.7M 85 ° / 85 ° / 80 ° / 80 ° 5-wire resistive 2x DP (on rear, 4096 x 2304 @ 60 Hz) 1x DVI-D (on rear, 2560 x 1600 @ 60 Hz) Triple
AUDIO	AUDIO CODEC AUDIO INTERFACE	Realtek ALC662 1x Line-in (on rear) 1x Line-out (on rear) 1x Mic-in (on rear)
NETWORK CONNECTION	ETHERNET	2x GbE LAN (RJ45 on rear, 1x Intel® I219-LM, 1x Intel® I210-AT)
PERIPHERAL CONNECTION	USB SERIAL PORT	4x USB 3.0 (Type A on rear) 2x USB 2.0 (Type A on rear) 3x RS232/422/485 (DB9 on rear) 3x RS232 (DB9 on rear)
STORAGE & EXPANSION	SATA mSATA / mPCIe mPCIe PCIe SIM CARD HOLDER	1x 2.5" SATA 3.0 HDD / SSD 1x mSATA / mPCIe (full size) 1x mPCIe (half size) 2x PCIe x16 slot (full length on rear, optional, 1x x16 (default) or 2x x8 signal) 1x SIM Card Cage (optional)
POWER	INPUT VOLTAGE CONNECTOR	DC 19 V (default), 24 V or other options (by request) Phoenix Connector (on rear) or Lockable DC Jack (on rear)
FIRMWARE	BIOS WATCHDOG H/W MONITOR REAL TIME CLOCK SECURITY iAMT	AMI uEFI BIOS w/ 128 Mb SPI Flash Programmable WDT to generate system reset event Input & Core Voltages, CPU & System Temperatures Chipset integrated RTC TPM 1.2 (Infineon SLB 9660) Depending on processor
SYSTEM CONTROL	BUTTON & SWITCH	1x Power Switch (on rear)
COOLING	FAN	1x CPU Smart Fan 1x System Smart Fan
SOFTWARE	OS SUPPORT	Windows 7, Windows 8, Windows 10, Linux
MECHANICAL	CONSTRUCTION DIMENSIONS (W x H x D) WEIGHT MOUNTING	Metal Chassis + Aluminum Front Bezel 448 mm x 373 mm x 72.5 mm / 17.64" x 14.69" x 2.85" 7650 g / 16.87 lb VESA Mount, Panel Mount
ENVIRONMENTAL	OPERATION TEMPERATURE STORAGE TEMPERATURE HUMIDITY	0 °C ~ 50 °C / 32 °F ~ 122 °F -20 °C ~ 70 °C / -4 °F ~ 158 °F 0 % ~ 95 %
CERTIFICATION	EMC & SAFETY INGRESS PROTECTION	CE Class A, FCC Class A IP65 (front)

► ORDERING INFORMATION

ARTICLE	DESCRIPTION
RuggedClient-SKLQ-190-R	Intel® Q170 Chipset

OPTIONAL ACCESSORIES

POWER ADAPTER	Input: AC 100 V ~ 240 V, output: DC 19 V, 90 W
POWER CORD	EU / US / UK / JP / CN / AU type depending on countr
VESA MOUNTING KIT *	Hole pattern: 100 mm x 100 mm & 75 mm x 75 mm, dimension: 163 mm x 130 mm
RISER CARD *	ONE PCIe x16 to TWO PCIe x16 (mechanically)

The asterisk (*) means optional item.